Public Works (1896) Department.

G.O., No. 1623

DATED 13/2/96

[Despatch Abstract.]

Periyār Project — Note by the Chief Engineer for Irrigation regarding the deputation of an officer for bringing land under the Periyar under cultivation.

Recorded

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated February, 13*th.*

Recd.

Encl.

G.O. No. 162 I., 13th Feb. 1896.

FEBRUARY.

Periyar Project

Note by the Chief Engineer for Irrigation suggesting that a special officer of the Revenue Department be deputed to make arrangements for bringing land under the — under cultivation with the least possible delay, recorded as action is being taken in the Revenue Department.

No. 162 I., 13TH FEBRUARY 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following papers:—

Tables Nos. 3 and 4 printed at pages 38 and 39 of G.O. No. 97 I., dated 3rd February 1894.

MAJOR PRODUCTIVE WORKS—PERIYÁR PROJECT—MADURA DIVISION.

TABLE III.—Summary of growth of Irrigation and Revenue Receipts and Charges.

Years.		Area irrigated at the end of each year.		Estimate of revenue receipts and charges.					
				Gross revenue.			Working expenses, both direct and indirect.	Net revenue due to works.	
		First crop.	Second crop.	Direct.	Indirect.	Total.		Including indirect revenue.	Excluding indirect revenue.
1		2	3	4	5	6	7	8	9
		ACS.	ACS.		RS.	RS.	RS.	RS.	
Estimate for	1896-97 ..	11,468	7,794	..	72,179	72,179	61,498	10,681	As all water-rates are collected in the Revenue Department, they are shown under indirect revenue; if they are excluded, there is no net revenue.
	1897-98 ..	34,368	23,376	..	2,16,295	2,16,295	1,02,704	1,13,591	
	1898-99 ..	57,268	38,958	..	3,60,410	3,60,410	1,43,909	2,16,501	
	1899-1900 .	80,168	54,540	..	5,04,526	5,04,526	1,51,115	3,53,411	
	1900-01 ..	114,518	77,913	..	7,20,700	7,20,700	1,61,924	5,58,776	

NOTE.—The figures in column 7 include the annual payment of Rs. 40,000 to the Travancore Government and the collection charges in the Civil department at 5 per cent. on revenue. The working expenses are estimated at 12 annas per acre of the ultimate area to be irrigated for first crop.

(*a*) 6·38 per cent. on the total amount of estimate including indirect charges in lieu of 8·92 per cent. previously anticipated.

TABLE IV.—Estimate of net Financial Results.

Years.		Direct capital outlay during the year.	Direct capital outlay to the end of the year.	Simple interest at 4 per cent. on outlay to end of previous year *plus* half outlay during the year.	Net revenue including indirect revenue, column 8 of table III.	Simple interest *less* net revenue.	Net revenue *less* simple interest.
1		2	3	4	5	6	7
		RS.	RS.	RS.	RS.	RS.	RS.
Actuals to end of 1894-95		..	73,56,036	9,73,279	..	9,73,279	..
Probable during 1895-96		6,68,600	80,24,636	3,07,613	..	3,07,613	..
Estimate for	1896-97	1,63,100	81,87,736	3,24,247	10,681	3,13,566	..
	1897-98	2,83,264	84,71,000	3,33,318	1,13,591	2,19,727	..
	1898-99	..	84,71,000	3,38,840	2,16,501	1,22,339	..
	1899-1900	..	84,71,000	3,38,840	3,53,411	..	14,571
	1900-01	..	84,71,000	3,38,840	5,58,776	..	2,19,936
	1901-02	..	84,71,000	3,38,840	5,58,776	..	2,19,936
	1902-03	..	84,71,000	3,38,840	5,58,776	..	2,19,936
	1903-04	..	84,71,000	3,38,840	5,58,776	..	2,19,936
	1904-05	..	84,71,000	3,38,840	5,58,776	..	2,19,936
	1905-06	..	84,71,000	3,38,840	5,58,776	..	2,19,936
	1906-07	..	84,71,000	3,38,840	5,58,776	..	2,19,936
	1907-08	..	84,71,000	3,38,840	5,58,776	..	2,19,936
	1908-09	..	84,71,000	3,38,840	5,58,776	..	2,19,936
	Total ..	..	84,71,000	56,65,697	57,23,168	19,36,524	19,93,995
Deduct		..	..	..	..	..	19.36,524
Net surplus revenue in 1908-09		..	..	..	..	..	57,471

MADRAS,
28th January 1896.

(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Chief Engineer for Irrigation.

No. 17 I.

Note by the Chief Engineer for Irrigation.

In the tables quoted above, it is estimated that the ultimate irrigable area under the Periyár project will not be brought under cultivation until the 9th year after completion, *i.e.*, until 1905–06, owing to the delay in getting land taken up and prepared for irrigation. The result is that interest charges will accumulate and the project will not pay its way until 1915.

2. It is suggested, therefore, that a special officer of the Revenue Department should be deputed to make arrangements for bringing land under cultivation with the least possible delay and that that officer should be authorized to make advances to the ryots under the Land Improvement Loans Act, XIX of 1883, to enable them to prepare their land for cultivation and excavate the necessary field channels.

3. If the time taken to bring the full area (114,518 acres) under cultivation can be reduced to 5 years, the financial results of the project will be much improved as shown in tables III and IV which accompany this note and the project will pay its way in 1908 or 7 years earlier and Government will receive additional revenue to the extent of Rs. 8,65,173.

(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Chief Engineer for Irrigation.

28th Jan. 1896.

ORDER—No. 162 I., dated 13th February 1896.

Recorded, as action is being taken in the Revenue Department in this matter.

(True Extract.)

Under Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintendent of Works, No. I Periyár.
„ Superintending Engineer, VI Circle.
„ Revenue Department.

Exd. J. P. Oliver.
Spare Copies

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

Tables NOs 3&4 printed at pages 38&39 of G.O. NO:97-Idated 3rd Feb: 94

Note by the Chief Engineerfor Irrign (H.E.No/7 I-dated ~~24~~ 28th Jan:1896)

30

In the Tables quoted above it is estimated that the ultimate irrigable area under the Peryar Project will not [illegible] brought under cultivation until the 9th year after completion (i e) until 1905-[illegible] owing to the delay in getting land taken up and prepared for irrigation. The resu[illegible] is that interest charges will accumulate and the project will not pay its way un--til 1915.

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3 If the time taken to bring the full area (114,518 acres) under cultivation can be reduced to 5 years the financial

results

I have already noted on this question on a paper which came up a few days ago in the R.D., & have discussed it with my hon. Colleague & the Rev. Sec., with the result that enquiries are already being made as to the advisability of taking some such steps as are here recommended.

[initials]
4/2/96

Yes - Mr Wheeler who is going to the spot at once to make inquiries.

[initials]
4/2/96

results of the project will be much im-
-proved as shown in tables 111 and 1V
which accompany this note and the project
will pay its way in 1908 or 7 years ear-
-lier ~~while~~ and Government will receive ad-
-ditional revenue to the extent of Rs
8,65,173.

P. W. CURRENT No. 945

~~His Excellency the Governor~~

~~The Hon'ble Mr. Alcon~~

~~The Hon'ble Mr. Spring~~

Enclos 2

Recd: 30.1.96

Periyar Project

Transferred to the Revenue De-
-partment.

Circ

W 2 Feb

27/1

Rucdn 28/1

No. 162 I of 13th Feby 1896.

W 7 Feb

Recorded, as action is being taken in the Revenue Department in this matter.

No. 97 I of 3-2-94
" 882 D " 29-8-95

DESPATCHED 26 FEB. 96

Rucdn 5/2

To

The Chief Engineer for Irrign
" " Supt of Works No 1 Periyar
" " Supg Engr VI Circle
" Revenue Department

5.2.96

E I. Form No 1—1,000—27-11-95.

Major Productive Works – Periyar Project – Madura Division

Table III Summary of growth of irrigation & revenue receipts and Charges

1P

Years	Area irrigated at the end of each year.		Estimate of revenue receipts & charges.					
			Gross revenue			Working expenses both direct and Indirect	Net revenue due to works	
	First crop	Second crop	Direct	Indirect	Total		Including indirect revenue	Excluding indirect revenue
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	acres	acres	Rs	Rs	Rs	Rs	Rs	Rs
Estimate for 1896-97	11,468	7,794	..	72,179	72,179	61,498	10,681	As all water rates are collected in the Revenue Dept, they are shewn under indirect revenue; if they are excluded, there is no net revenue
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The figures in column 7 include the annual payment of Rs 40,000 to the Travancore Government and the collection charges in the civil department at 5 per cent on revenue. The working expenses are estimated at 12 annas per acre of the ultimate area to be irrigated for first crop.

(a) 6.38 per cent on the total amount of estimate including indirect charges in lieu of 8.92 per cent previously anticipated.

Pennefather Brichman[?]

Col. R.E.

Chief Engineer for Irrign

Madras

28 January 89

B. 27/1

Major Productive Works – Periyar Project – Madura Dt.

Table IV – Estimate of net financial results –

2P

Years	Direct Capital outlay during the year	Direct Capital outlay to the end of the year	Simple interest at 4 per cent on outlay to end of previous year plus half outlay during the year	Net Revenue including indirect revenue column 8 of table III	Simple interest less net revenue	Net Revenue less simple interest
1	2	3	4	5	6	7
Actuals to end of 1894-95		73,56,036	9,73,279	..	9,73,279	..
Probable during 1895-96	6,68,600	80,24,636	3,07,613	..	3,07,613	..
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1904-5	"	84,71,000	3,38,840	5,58,776	..	2,19,936
1905-6	"	84,71,000	3,38,840	5,58,776	..	2,19,936
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Deduct						19,36,524
Net Surplus revenue in 1908-9						57,471

Madras
28 January 1896

Pinckney Buckman
Col. R.E.
Chief Engineer for Irrign.

W.L.
27/1

Initd.